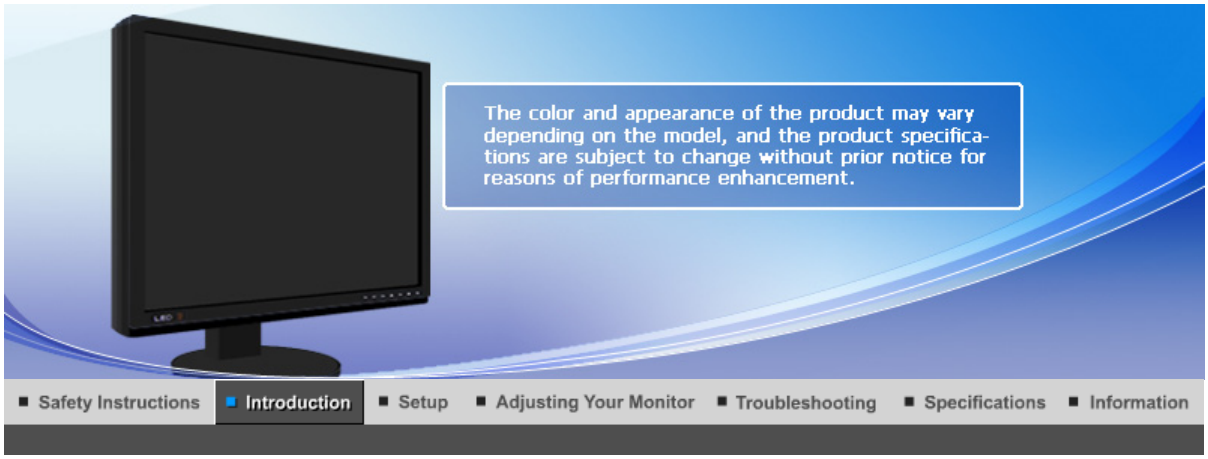
SAMSUNG

LCD MONITOR

quick start guide

SyncMaster XL24


The color and appearance of the product may vary depending on the model, and the product specifications are subject to change without prior notice for reasons of performance enhancement.
Safety Instructions
Introduction
Setup
Adjusting Your Monitor
Troubleshooting
Specifications
Information

Please make sure the following items are included with your monitor.
If any items are missing, contact your dealer.
Contact a local dealer to buy optional items.

Unpacking

Without Stand

With Stand
(Monitor & Sliding Stand)

- **Manual**

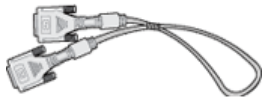
Quick Setup Guide

Warranty Card
(Not available in all locations)

User's Guide, Monitor Driver, MagicRotation software

- **Cable**

Power Cord



DVI Cable

USB Cable
(A-B Type cable)

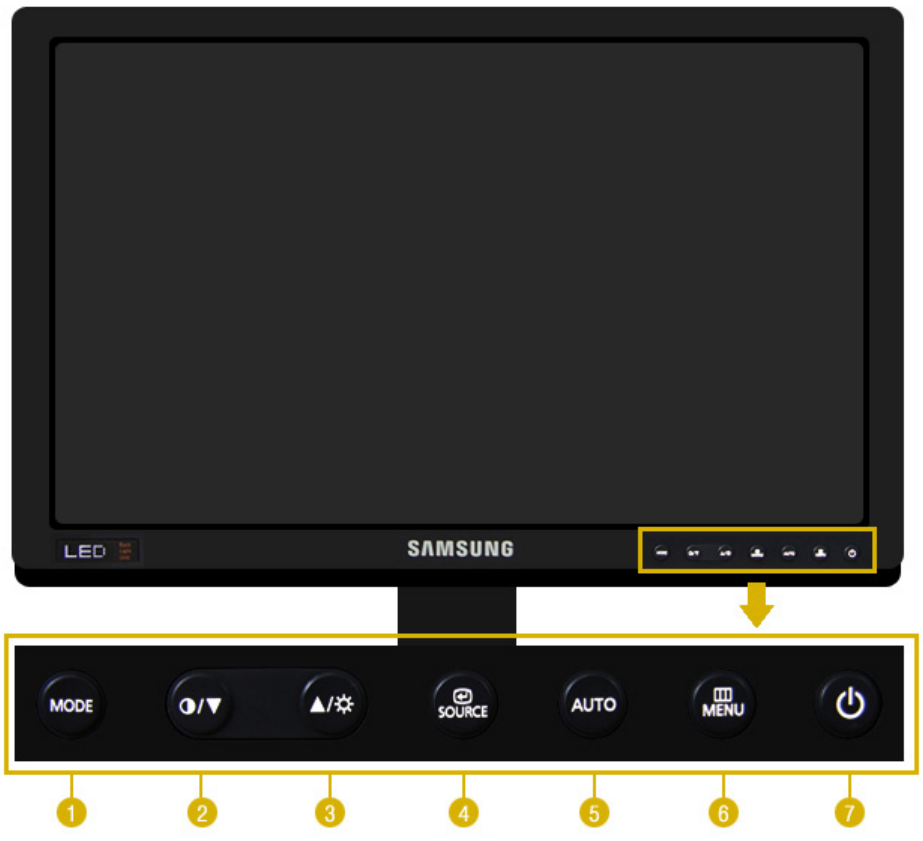
- **Others**

Calibrater

For more information on the use of the calibrater, see Natural Color Expert Help.

Hood

Front

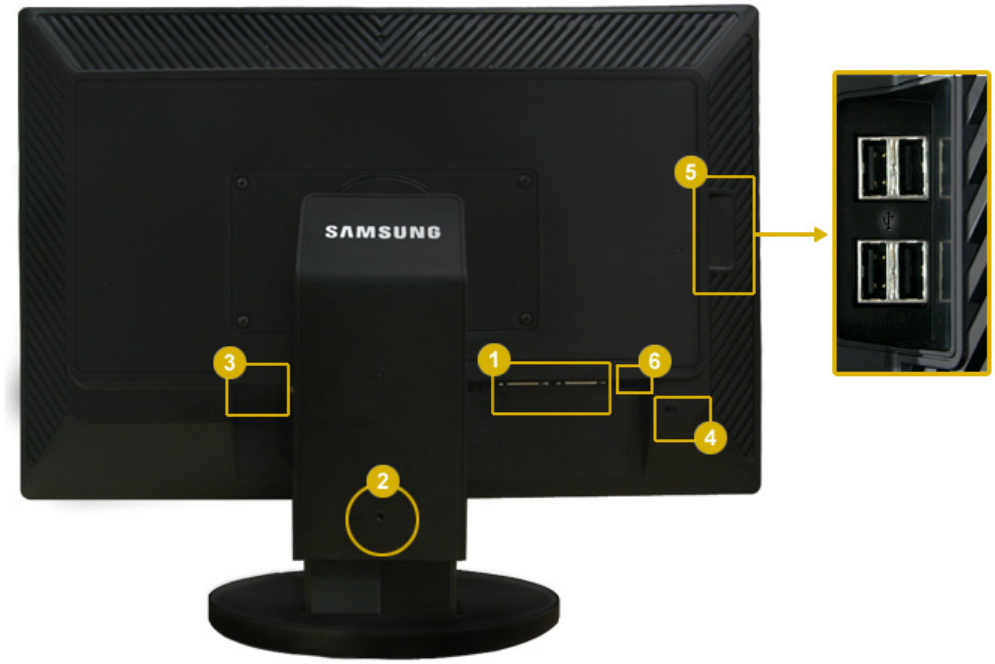


1	**MODE button (= Color Mode)**	Press this button to select a Color Mode. Continuing to press the button, will repeatedly display the setting modes. With the control buttons at the front of the monitor, you can easily implement different color information matching your environment. **1) Custom** - Although the values are carefully chosen by our engineers, the pre-configured values may not be comfortable to your eyes depending on your taste. If this is the case, adjust the brightness and contrast by using the OSD menu. **2) sRGB** - Displays the sRGB color information on the screen. **3) AdobeRGB** - Displays the Adobe RGB color information on the screen. **4) Emulation** - With Natural Color Expert, you can change the system profile or a previously created color information and display it on the screen. Caution: The Emulation information presented when pressing the Emulation button at the front of your monitor is saved as the Emulation information of the Color Mode for your product. Once saved, your monitor will be presented with this saved information whenever Emulation is selected. **5) Calibration** - The Calibration functionality analyzes the color characteristics of your monitor and allows you to save its color information as an icc profile. This will tell your monitor what color space it should use and how it should accept and present colors. Displays your custom color information obtained by using Natural Color Expert and the Calibrator. Caution: The Calibration information is presented when pressing the Calibration button at the front of your monitor. Note that only one piece of Calibration information, i.e. the one saved last, is kept on your monitor. >>Click here to see an animation clip The Contrast and Brightness functions only operate in Custom mode.
2	**Contrast button[◑]**	Adjust the contrast for the screen.
3	**Brightness button [☼]**	Adjust the brightness for the screen.
2, 3	**Adjust buttons [▼/▲]**	Adjust items in the menu.
4	**Enter button [SOURCE] / SOURCE button**	Activates a highlighted menu item. / Push the 'SOURCE', then selects the video signal while the OSD is off. (When the source button is pressed to change the input mode, a message appears in the upper left of the screen displaying the current mode -- analog or digital input signal.)
5	**AUTO button**	Use this button for auto adjustment.
6	**MENU button [MENU]**	Opens the OSD menu. Also use to exit the OSD menu or return to the previous menu.
7	**Power button [⏻] / Power indicator**	Use this button for turning the monitor on and off. / This light glows blue during normal operation, and blinks blue once as the monitor saves your adjustments.

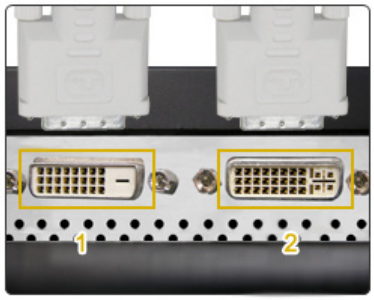
See PowerSaver described in the manual for further information regarding power saving functions. For energy conservation, turn your monitor OFF when it is not needed, or when leaving it unattended for long periods.

Rear

(The configuration at the back of the monitor may vary from product to product.)



1 DVI



Connect the **DVI** terminal of your monitor to your computer using a DVI cable.

1. DVI-D (digital only): Only digital signals can be input to this terminal. Therefore, only connect the DVI terminal of your PC to this terminal.

2. DVI-I (for both digital and analog) : You can connect any one of the DVI and RGB terminals of your PC to this terminal.

2 Stand Stopper

Remove the fixing pin on the stand to lift the monitor up and down.

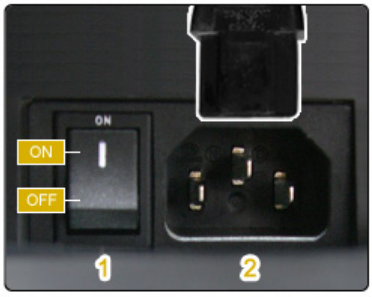
3 POWER

1. POWER S/W

: Switches the monitor On/Off.

2. POWER

: Connect the power cord for your monitor to the **POWER** on the back of the monitor.

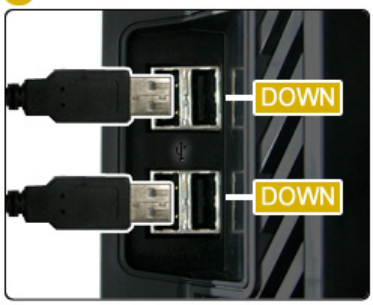


4 Kensington Lock

The Kensington lock is a device used to physically fix the system when using dit in a public place.
(The locking device has to be purchased separately.)

For using a locking device, contact where you purchased it.

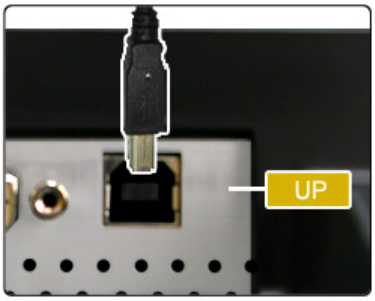
5 USB connection terminal



DOWN (USB downstream port): Connect the **DOWN** port of the USB monitor and a USB device with the USB cable.

- **To use DOWN (Downstream Port), you have to connect the UP (Upstream Cable) to the PC.**

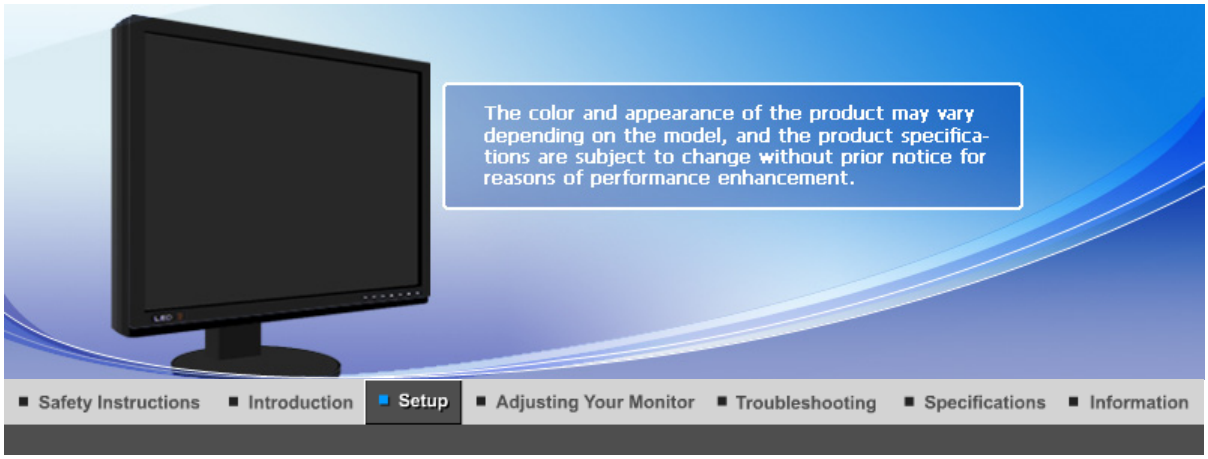
6 USB connection terminal



UP (USB upstream port): Connect the **UP** port of the monitor and the USB port of the computer with the USB cable.

- **Make sure to use the USB cable supplied with this monitor to connect the monitor's UP port and your computer's USB port.**

See Connecting the Monitor for further information regarding cable connections.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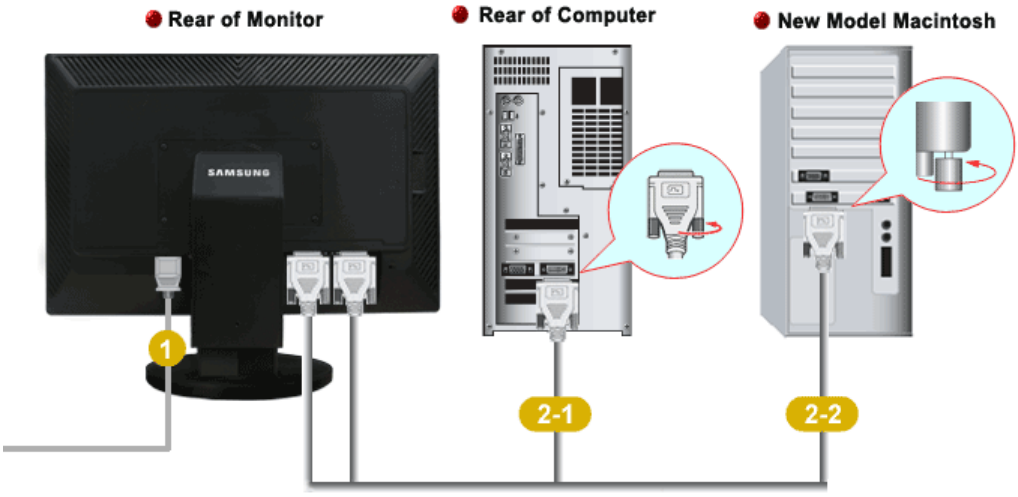
Connecting the Monitor

Connecting the Monitor



1. Connect the power cord for your monitor to the power port on the back of the monitor.
   Plug the power cord for the monitor into a nearby outlet.
2. Use a connection appropriate for your computer.

   2-1 Using the DVI (Digital) connector on the video card.
   Connect the DVI Cable to the DVI Port on the back of your Monitor.

   [DVI-D] **[DVI-I]**

   2-2 Connected to a Macintosh.
   Connect the monitor to the Macintosh computer using the DVI connection cable.

Turn on your computer and monitor. If your monitor displays an image, installation is completed.

Changing the Stand and Installing the Hoods

- **Sliding Stand**

A Stand Stopper

- **Swivel stand**

Using (B),You can swivel the monitor left and right at an angle of 330 ° to set the monitor lengthwise. The rubber under the stand is to avoid the monitor slide.

- **Tilt angle**

Using (C), You can adjust the tilt angle forward and backward for the most comfortable viewing angle.

Removing the base

1. Turn off your monitor and unplug its power cord.
2. Lay the LCD monitor face-down on a flat surface with a cushion beneath it to protect the screen.
3. Remove two screws (D) and then remove the Stand from the LCD monitor.

Attaching a Base

This monitor accepts a 200 mm x 100 mm VESA-compliant mounting interface pad.

A. Monitor

B. Mounting interface pad (Sold separately)

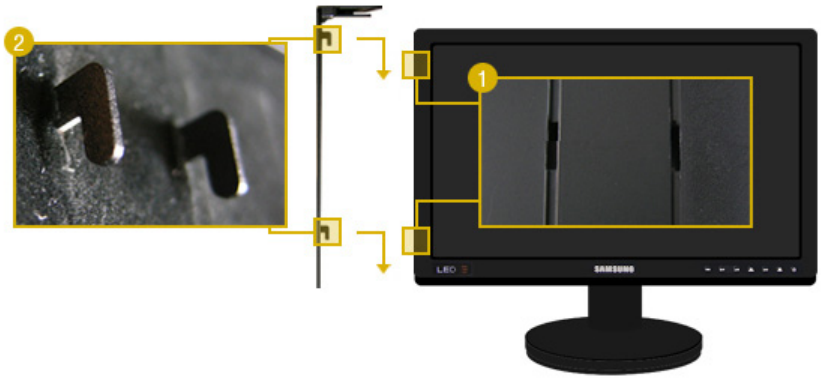
1. Turn off your monitor and unplug its power cord.
2. Lay the LCD monitor face-down on a flat surface with a cushion beneath it to protect the screen.
3. Remove four screws and then remove the stand from the LCD monitor.
4. Align the mounting interface pad with the holes in the rear cover mounting Pad and secure it with four screws that came with the arm-type base, wall mount hanger or other base.

- Do not use screws longer than the standard dimension, as they may damage the inside of the Monitor.
- For wall mounts that do not comply with VESA standard screw specifications, the length of the screws may differ depending on their specifications.
- Do not use screws that do not comply with the VESA standard screw specifications. Do not fasten the screws too tightly, as this may damage the product or cause the product to fall, leading to personal injury.
  Samsung is not liable for these kinds of accidents.
- Samsung is not liable for product damage or personal injury when a non-VESA or non-specified wall mount is used or the consumer fails to follow the product installation instructions.

- To mount the monitor on a wall, you should purchase the wall mounting kit that allows you to mount the monitor at least 10cm away from the wall surface.
- Contact the nearest Samsung Service Center for more information. Samsung Electronics will not be responsible for damages caused by using a base other than those specified.
- **Please use Wall Mount according to the International standards.**

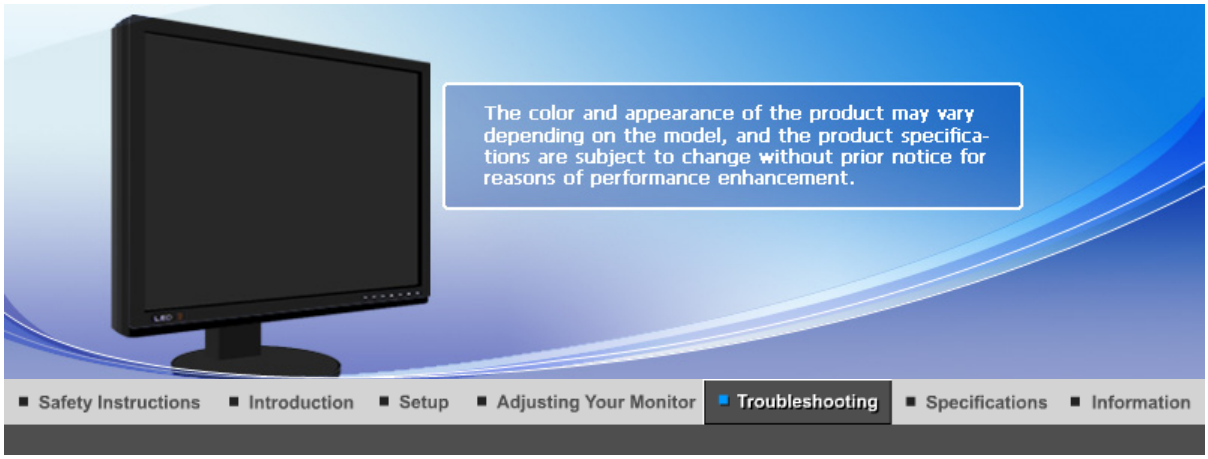
Installation Using the Hood

1) What is the Hood?
It is a device that can be attached to the top, right and left of the monitor to screen sunlight, preventing any color distortion. You can change the colors of the entire screen according to your preferences.



Insert the hooking parts (2) of both hoods starting from the top and moving downwards into the grooves (1) near the left and right edges at the back of the monitor.

Fit the top part of the monitor into the top of the grooves of both hoods.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Check List

Before calling for assistance, check the information in this section to see if you can remedy any problems yourself. If you do need assistance, please call the phone number on the Information section or contact your dealer.

Symptom	Check List	Solutions
No images on the screen. I cannot turn on the monitor.	Is the power cord connected properly?	Check the power cord connection and supply.
	Can you see **"Check Signal Cable"** on the screen?	**(Connected using the DVI cable)** If you still see an (error) message on the screen when the monitor is connected properly, check to see if the monitor status is set to analog. Press ' SOURCE' button to have the monitor double-check the input signal source.
	If the power is on, reboot the computer to see the initial screen (the login screen), which can be seen.	If the initial screen (the login screen) appears, boot the computer in the applicable mode (the safe mode for Windows ME/XP/2000) and then change the frequency of the video card. (Refer to Preset Timing Modes) Note: If the initial screen (the login screen) does not appear, contact the Service Center or your dealer.
	Can you see **"Not Optimum Mode", "Recommended Mode 1920 x 1200 60 Hz"** on the screen?	You can see this message when the signal from the video card exceeds the maximum resolution and frequency that the monitor can handle properly. Adjust the maximum resolution and frequency that the monitor can handle properly. If the display exceeds UXGA or 75 Hz, a **"Not Optimum Mode", "Recommended Mode 1920 x 1200 60 Hz"** message is displayed. If the display exceeds 85 Hz, the

		display will work properly but the **"Not Optimum Mode", "Recommended Mode 1920 x 1200 60 Hz"** message appears for one minute and then disappears. Please change to the recommended mode during this one-minute period. (The message is displayed again if the system is rebooted.)
	There is no image on the screen. Is the power indicator on the monitor blinking at 1 second intervals?	The monitor is in PowerSaver mode. press a key on the keyboard to activate the monitor and restore the image on the screen. If there is still no image, press the ' SOURCE' button. Then press any key on the keyboard again to activate the monitor and restore the image on the screen.
	Connected using the DVI cable?	You may get a blank screen if you boot the system before you connect the DVI cable, or disconnect and then reconnect the DVI cable while the system is running as certain types of graphic cards do not send out video signals. Connect the DVI cable and then reboot the system.
I cannot see the On Screen Display.	Have you locked the On Screen Display (OSD) Menu to prevent changes?	Unlock the OSD by pressing the MENU button for at least 5 seconds.
The screen shows strange colors or just black and white.	Is the screen displaying only one color as if looking at the screen through a cellophane paper?	Check the signal cable connection.Make sure the video card is fully inserted in it's slot.
	Have the screen colors become strange after running a program or due to a crash between applications?	Reboot the computer.
	Has the video card been set properly?	Set the video card by referring to the video card manual.
The screen suddenly has become unbalanced.	Have you changed the video card or the driver?	Adjust screen image position and size using the OSD.
	Have you adjusted the resolution or frequency to the monitor?	Adjust the resolution and frequency at the video card. (Refer to the Preset Timing Modes).
	The screen can be unbalanced due to the cycle of the video card signals. Readjust Position by referring to the OSD.	
The screen is out of focus or OSD cannot be adjusted.	Have you adjusted the resolution or frequency on the monitor?	Adjust the resolution and frequency of the video card. (Refer to the Preset Timing Modes).
LED is blinking but no images on the screen.	Is the frequency properly adjusted when checking the Display Timing on the menu?	Adjust the frequency properly by referring to the video card manual and the Preset Timing Modes. (The maximum frequency per resolution may differ from product to product.)
There are only 16 colors shown on the screen.	Have the Windows colors been set properly?	Windows ME/2000/XP: Set the colors properly at the **Control Panel → Display →**

The screen colors have changed after changing the video card.		**Settings**.
	Has the video card been set properly?	Set the video card by referring to the video card manual.
There is a message that reads "Unrecognized monitor, Plug & Play (VESA DDC) monitor found".	Have you installed the monitor driver?	Install the monitor driver according to the Driver Installation Instructions.
	See the video card manual to see if the Plug & Play (VESA DDC) function can be supported.	Install the monitor driver according to the Driver Installation Instructions.

Check the following items if there is trouble with the monitor.

1. Check if the power cord and the video cables are properly connected to the computer.
2. Check if the computer beeps more than 3 times when booting.
   (If it does, request an a service for the main board of the computer.)
3. If you installed a new video card or if you assembled the PC, check if the installed the adapter (video) driver and the monitor driver.
4. Check if the scanning ratio of the video screen is set to between 56 Hz ~ 75 Hz.
   (Do not exceed 60 Hz when using the maximum resolution.)
5. If you have problems in installing the adapter (video) driver, boot the computer in Safe Mode, remove the Display Adapter in the "**Control Panel→System→Device Administrator**" and then reboot the computer to reinstall the adapter (video) driver.

If problems repeatedly occur, contact an authorized service center.

Q & A

Question	Answer
How can I change the frequency?	The frequency can be changed by reconfiguring the video card. Note that video card support can vary, depending on the version of the driver used. (Refer to the computer or the video card manual for details.)
How can I adjust the resolution?	Windows ME/XP/2000 : Set the resolution in the Control Panel → Display → Settings. * Contact the video card manufacturer for details.
How can I set the Power Saving function?	Windows ME/XP/2000 : Set the function in the BIOS-SETUP of the computer or the screen saver. (Refer to the Windows / Computer Manual).
How can I clean the outer case/LCD Panel?	Disconnect the power cord and then clean the monitor with a soft cloth, using either a cleaning solution or plain water. Do not leave any detergent or scratches on the case. Do not let any water enter the monitor.

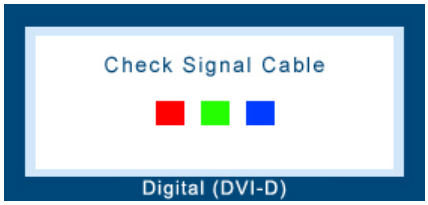
Self-Test Feature Check

Self-Test Feature Check | Warning Messages | Environment | Useful Tips

Your monitor provides a self test feature that allows you to check whether your monitor is functioning properly.

Self-Test Feature Check

1. Turn off both your computer and the monitor.
2. Unplug the video cable from the back of the computer.
3. Turn on the monitor.
   If the monitor is functioning properly, you will see a box in the illustration below.

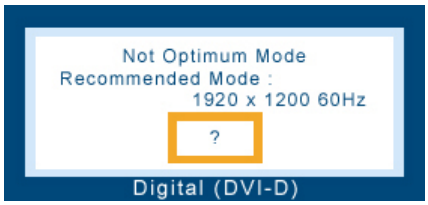


   This box appears during normal operation if the video cable becomes disconnected or damaged.

4. Turn off your monitor and reconnect the video cable; then turn on both your computer and the monitor.
   If your monitor screen remains blank after using the previous procedure, check your video controller and computer system; your monitor is functioning properly.

Warning Messages

If there is something wrong with the input signal, a message appears on the screen or the screen goes blank although the power indicator LED is still on. The message may indicate that the monitor is out of scan range or that you need to check the signal cable.



Environment

The location and the position of the monitor may influence the quality and other features of the monitor.

1. If there are any sub woofer speakers near the monitor, unplug and relocate the woofer to another room.
2. Remove all electronic devices such as radios, fans, clocks and telephones that are within 3 feet (one meter) of the monitor.

Useful Tips

- A monitor recreates visual signals received from the computer. Therefore, if there is a problem with the computer or the video card, this can cause the monitor to become blank, have poor coloring, become noisy, and video mode not supported, etc. In this case, first check the source of the problem, and then contact the Service Center or your dealer.

- **Judging the monitor's working condition**
  If there is no image on the screen or a **"Not Optimum Mode", "Recommended Mode 1920 x 1200 60 Hz"** message comes up, disconnect the cable from the computer while the monitor is still powered on.
  - If there is a message coming up on the screen or if the screen goes white, this means the monitor is in working condition.
  - In this case, check the computer for trouble.